

Description

This high current switching mode DC regulated output power supply is designed with a highly efficient active power factor corrector. The constant current limiting protection allows the output current to remain stable but the output voltage decreases to a level that permits safe operation of the power supply.

The remote sensing terminals are used to compensate for output line losses so that a precise regulation can be achieved for critical voltage application away from the power supply.

The output voltage level and ON-OFF can be externally controlled via the remote terminal.

It is ideal for applications that need good quality high DC current network with precise point of voltage regulation.

SPS-9600 / SPS-9602 has a small footprint for its 900W continuous maximum power.

It is suitable for a wide range of applications such as street blaster super high power car audio demonstration console, radio equipment and etc.

Features

- Total max. continuous output current 60A (SPS-9600) / 30A (SPS-9602)
- Main Output /Remote Sensing/ Remote Control/ terminals at the back
- Front terminals 5A (SPS-9600) / 3A (SPS-9602) limiting.
- (Precise Load Point Voltage)
- Remote Sensing for remote point of regulation.
- Remote control terminals for output voltage adjustment and *on/off*
- 29HR Count Down Timer (Optional) for Output ON/OFF
- Floating Ground Design
- Overload / Over-temperature / Short Circuit Protections
- Constant Current mode with LED indicator prevents overloading
- Variable speed thermally controlled fan
- High RFI stability
- Active power factor correction (P.F. >0.97)
- Housing are available in Pantone warm grey 1C or Pantone 433C dark grey
- ***Remote output on/off is an added function for production after Oct. 2004***



Specifications

	SPS - 9600	SPS - 9602
Variable Output Voltage	1 - 15Vdc	1 - 30Vdc
Total Rated Output Current (Main Output + Front Output)	60A	30A
Rated Output Current (Main Output)	60A	30A
Rated Output Current (Front Output)	5A	3A
Load Regulation (Main Output)	0.1% +5mV	
Line Regulation (Main Output)	0.05% +3mV	
Ripple & Noise (Peak-Peak)	50mVp-p	
Input Voltage	230Vac , 50Hz~ (or on request)	
Efficiency	>85%	
Meter Type	LED Meter	
Voltmeter Range	3 digit display	
Ammeter Range	3 digit display	
Meter's Accuracy	±1% +1 count	
Protection Devices	Overload (Constant Current Limiting), Over Temperature, Short Circuit, OVP protections	
Cooling System	Variable speed thermally controlled fan	
Special Feature	Remote sensing , Remote output voltage control and *on/off * * Remote output on/off only for production after Oct. 2004 *	
Approvals	CE EMC : EN 55022 , LVD : EN 60950	
Dimensions (WxHxD)	220 x 110 x 360 mm (8.7 x 4.3 x 14 in.)	
Weight	5.8kgs (12.8lbs)	
Remarks	Power factor correction >0.95 at optimal load	

All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE *